



Product Information

Aquarez DP548-46XL

Product Description (Provisional)

Aquarez DP548-46XL is a water based emulsion of a cross-linkable polyvinyl butyral suitable for use as sole or co-binder in heat curable coatings and adhesives. Aquarez DP548-46XL film forms at ambient temperature to produce a clear, tough and durable coating on glass and metals. Cross-linking DP548-46XL is initiated when films are cured at temperatures $>120^{\circ}\text{C}$ (248F). Cured coatings of Aquarez DP548-46XL demonstrate excellent adhesion, water and solvent resistance making the product ideal for use in coatings used as direct to metal primers, stoving enamels, coil, wire and can coatings.

Product Features

- Water based cross-linking PVB
- Cured film resistant to water, heat and solvent*.
- Excellent adhesion to metals, glass, plastics and glass-fibre
- Contains Texanol as coalescent
- Plasticiser-free
- Low viscosity
- Free of APEO surfactants
- High scratch and solvent resistance
- Suitable for WB 1-component PU coating formulations
- Non-ionic stabilisation

Typical Properties (Provisional)

- Total Solid Content 35.0 – 37.0%
- Active PVB Content 30.1%
- Coalescent Content 12.2%
- Isocyanate Content: 3.1%
- Viscosity (RVT) 400 - 1000 cPs
- pH 7 - 9
- Particle Size (d50) <2.5 micron

Application & Dosage

This product can be used as sole or co-binder in waterborne adhesives and coating formulations. Coatings formulated with Aquarez DP548-46XL contains a blocked isocyanate hardener and requires cross-linking at temperatures $>120^{\circ}\text{C}$ for a minimum of 15 minutes, however it is recommended that cure times of between 15 – 45 minutes are used to achieve full cure. Temperatures $>120^{\circ}\text{C}$ can be used to reduce cure time.

Packaging and Storage

Aquarez DP548-46XL can be supplied in 200Kg HDPE Drum and 1000Kg Intermediate Bulk Container. The product should be stored in dry, cool conditions away from heat or direct sunlight and it must be protected from freezing. During storage and use periodic, slow speed mechanical agitation is recommended to maintain homogeneity. Shelf-life is 6 months in original packaging.

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The recommendations made above are general in nature...Although every effort has been made to supply reliable data, it is for informational purposes only. We cannot guarantee the results as stated to be obtained since we have no control over the end use of the material. Each user must make their own tests to determine the suitability of the material for their own use. Nothing contained herein is intended as a recommendation to use our products to infringe any patent